

Patent claims

- 5 1. The invention relates to a method of heating or cooling including freezing of foodstuffs in a rotating closed pipe serpent c h a r a c t e r i z e d in that the rotating closed pipe serpent in a cross section of the axis of rotation is shaped non-circular such as waved or multi angled including triangle- or four-sided shapes.
- 10 2. A method of heating or cooling food items c h a r a c t e r i z e d in that the entry point of the rotating closed pipe serpent, where the foodstuffs are conveyed, is shaped as an ejector pipe with an increased area of cross section from the point of entry towards the outflow into the pipe serpent.
- 15 3. A method of heating or cooling food items in relation to claim 1 or 2 c h a r a c t e r i z e d in that two or more rotating closed pipe serpent units are connected with a displaced horizontal level of the pipe serpents' axis of rotation.
- 20 4. A method of heating or cooling food items in relation to one or more of the claims 1-3 c h a r a c t e r i z e d in that the quantity and speed by which the food items are conveyed into a pipe serpent is synchronized with the rotational speed of the pipe serpent and/or its
- 25 absorption capacity.
- 30 5. Product for heating or cooling including freezing of foodstuffs in a rotating closed pipe serpent c h a r a c t e r i z e d in that the rotating closed pipe serpent in a cross section of the axis of rotation is shaped non-circular such as waved or multi angled including triangle- or four-sided shape.